Naval Capability Development Process

September 2004

N6/N7
Deputy CNO (Warfare Requirements & Programs)

Agenda

- Overview of Organization
- Alignment
- Process
- Timeline

N6/N7 Warfare Requirements & Programs

Vision

To ensure an integrated Naval architecture that preserves and extends Naval Warfighting capability into the future

Mission

To integrate and program Battle Force requirements for all warfare disciplines

N6/N7 API Division (Analysis, Programming, & Integration)

Mission

Provide a balanced program that provides for investment in future capabilities while maintaining warfighting/Platform wholeness

Warfighting Wholeness:
- Capability across the Detect to Assess "Kill Chain"
- Defined by mission Area
- Combination of technology & operations

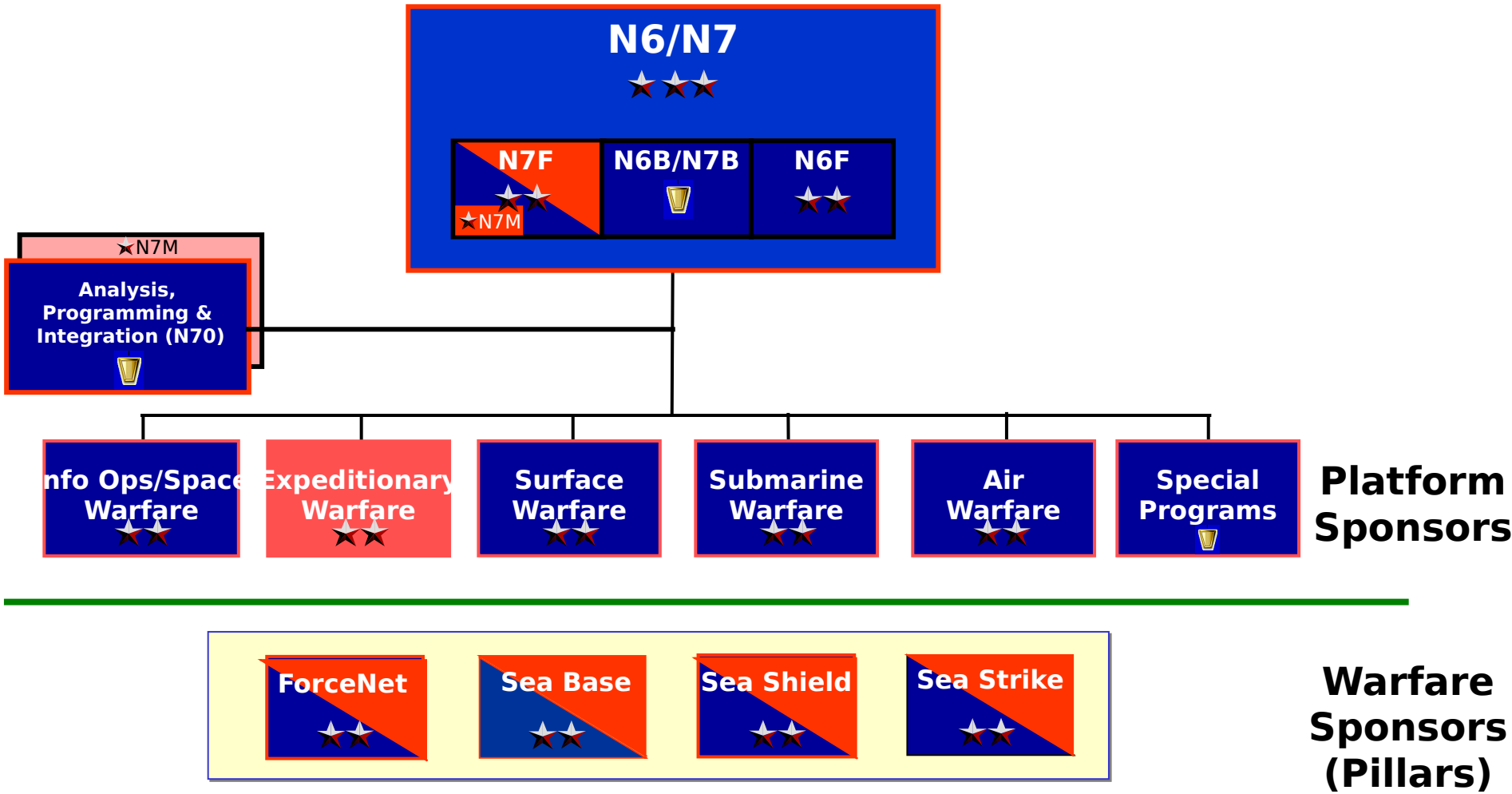
Platform Wholeness:
- Infrastructure that supports the Warfighter
- The mechanism that gets forces to the fight

N6/N7 Major Areas of Responsibility

- Space, IW, C2 (FORCEnet)
- Air Warfare (Sea Strike)
- Anti-Submarine Warfare (Sea Shield)
- Missile Defense (Sea Shield)
- Expeditionary Warfare (Sea Base)
- Integration & Assessment

- Submarine Warfare (Sea Strike)
- Surface Warfare (Sea Shield)
- Special Programs

The N6/N7 Organization



N70 Deliverables

- Coherent, credible, and timely outputs from the N6/N7 organization into the overall PPBE process
  - Analysis & requirements: NCDP (MCP to ISCP)
  - Program: SPP, offset lists, reprogramming
- Consistent frame of reference for all N6/N7 warfighting analysis and requirements-setting
- Warfighting and program wholeness in N6/N7 resource allocation

MCP - Mission Capability Package
- Organized by Pillar, analyzed by by Warfare Area
- Supports Warfare Sponsors

ISCP - Integrated Strategic Capability Pl
- Analyzed within and across each Pillar
- Supports N6/N7

Agenda

- Overview of Organization
- Alignment
- Process
- Timeline

N6 / N7
Naval Warfare

Naval Force Development

Projecting Global Defensive Assurance…
assure allies, deter adversaries, ensure access

Sea Shield

Innovation to the Warfighter…
rapid prototyping, concept development,
coordinated experimentation

Sea Trial

Preparing the Warfighter…
the right skills,
in the right place,
at the right time

Sea Warfighting

FORCEnet

Sea Strike

Projecting Offensive Power…
responsive, precise, and persistent

Sea Enterprise

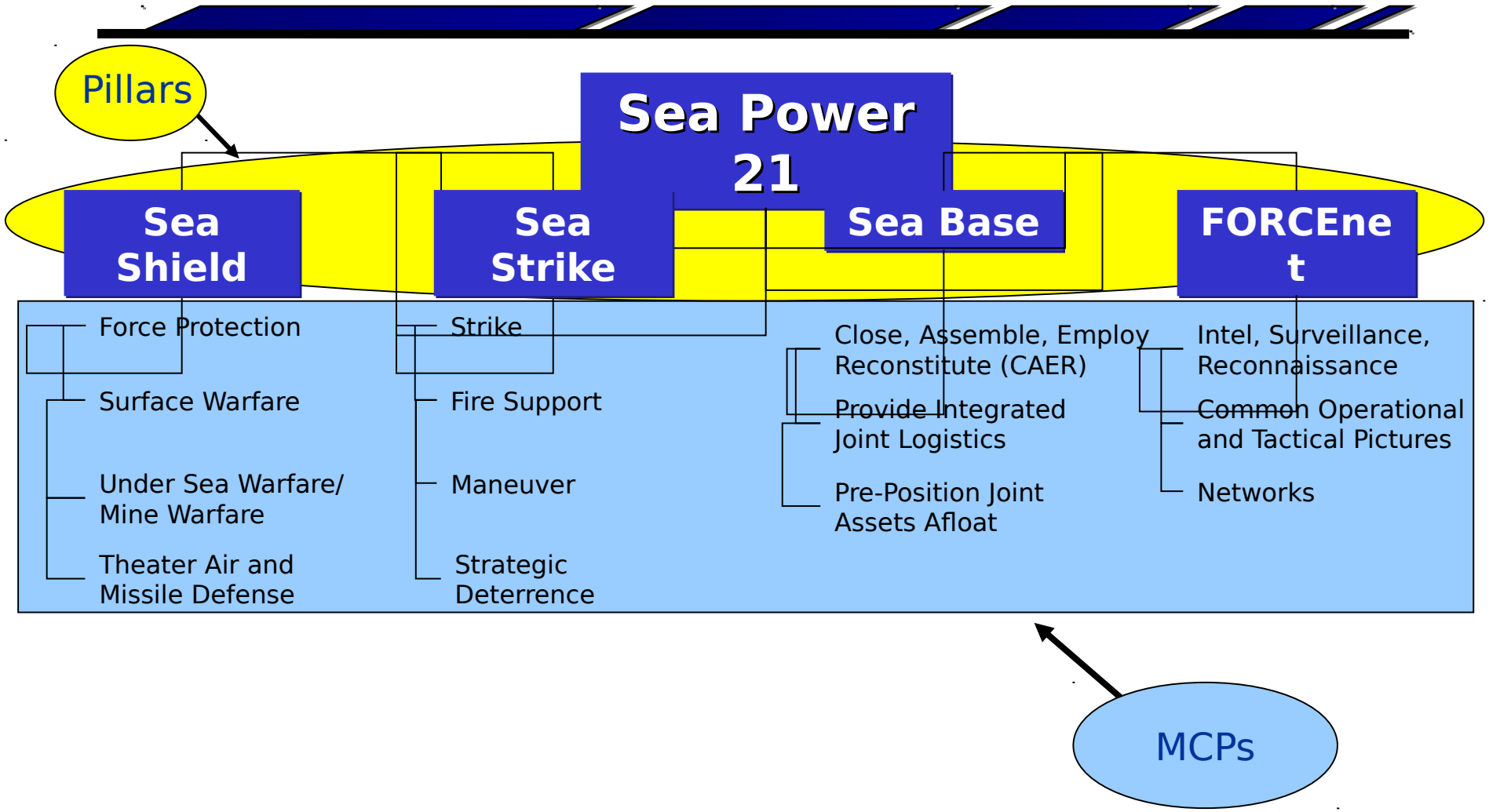
Resources to the Warfighter…
optimum resource allocation, increased productivity, enhanced procurement

Sea Basing

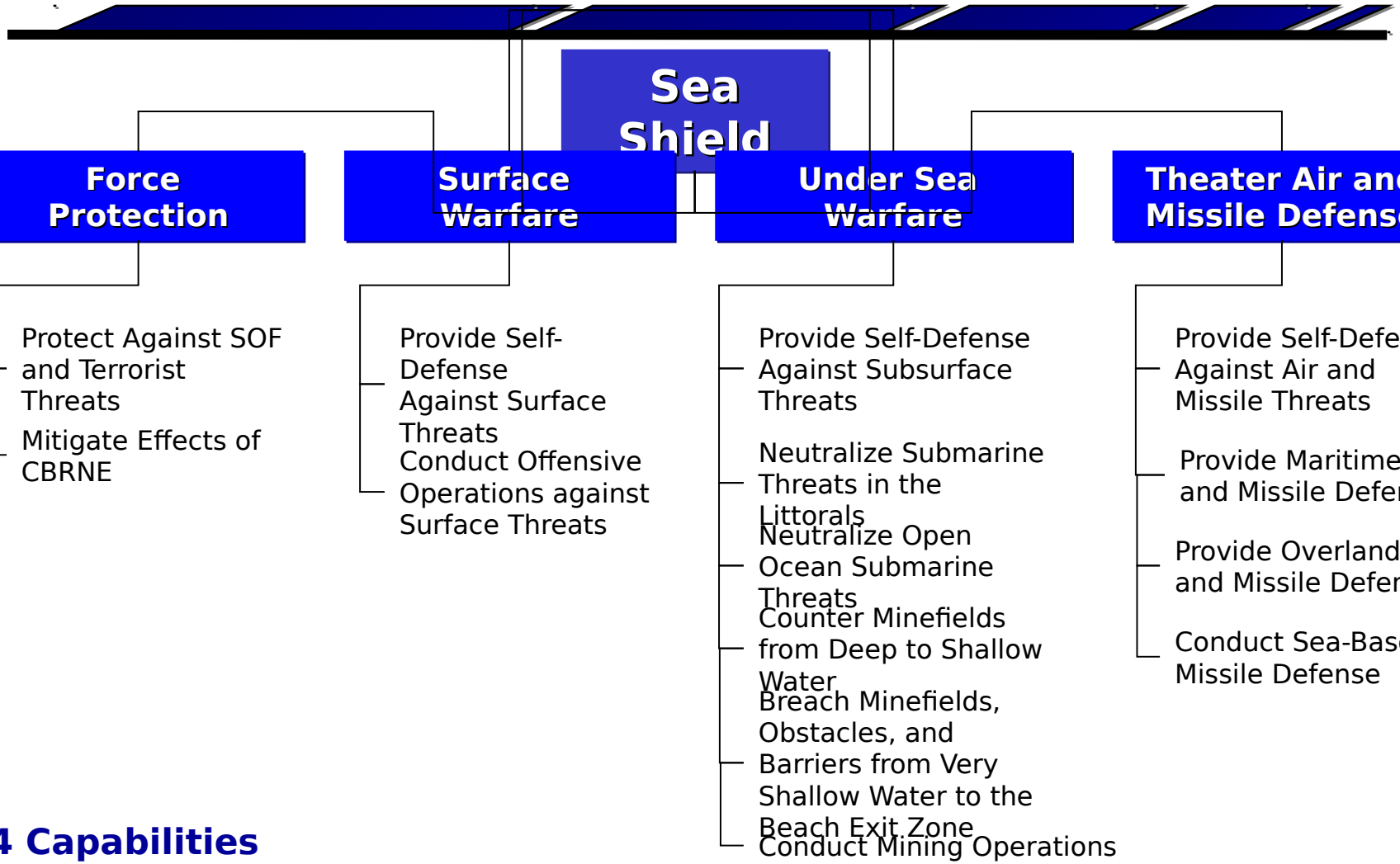
Projecting Operational Independence…
joint power from the sea

Naval Capability Development Process (NCDP) … seeks to translate SP-21 into specific, defined, measurable Warfighting Capabilities

Pillars and MCPs



Sea Shield Capabilities


Sea Shield
Force Protection
Protect Against SOF and Terrorist Threats
Mitigate Effects of CBRNE
Surface Warfare
Provide Self-Defense Against Surface Threats
Conduct Offensive Operations against Surface Threats
Under Sea Warfare
Provide Self-Defense Against Subsurface Threats
Neutralize Submarine Threats in the Littorals
Neutralize Open Ocean Submarine Threats
Counter Minefields from Deep to Shallow Water
Breach Minefields, Obstacles, and Barriers from Very Shallow Water to the Beach Exit Zone
Conduct Mining Operations
Theater Air and Missile Defense
Provide Self-Defense Against Air and Missile Threats
Provide Maritime Air and Missile Defense
Provide Overland Air and Missile Defense
Conduct Sea-Based Missile Defense

14 Capabilities

Similar capability listing for Sea Strike, Sea Base, & FORCEnet

SeaPower 21 Alignment

Naval Capability	Warfare Sponsor	SYSCOM	ONR
Sea Shield	**N701** **N76, co-chairs N77 & USMC AVN**	**NAVSEA**	**Ocean, Atmosphere, & Space Dept.**
Sea Strike	**N702** **N78, co-chairs N77 & USMC AVN**	**NAVAIR**	**Naval Expeditionary Warfare & Strike Tech. Dept.**
Sea Basing	**N703** **N75, co-chairs N76, N42, & USMC EFDC**	**NAVSEA**	**Engineering, Materials, & Physical Sciences Dept.**
FORCEnet	**N704** **N61, co-chairs N2 & USMC EFDC**	**SPAWAR**	**Information, Electronics & Surveillance Dept.**

FFC visibility throughout

NCDP Alignment

- Treat the 4 warfighting concepts (Pillars) of
  Sea Power 21 as core Naval capabilities
- Includes:
  - Fleet (CFFC) participation
  - SYSCOM integration in technical assessment
  - Office of Naval Research (ONR) alignment and participation
  - Requirements focus

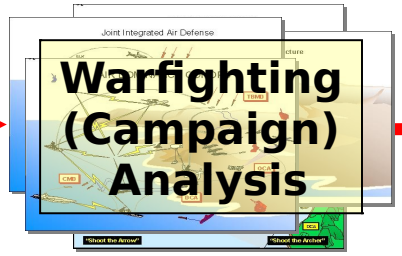
Aligning to the Threat

- Plan on the basis of capabilities, using campaign analysis for four general types of wars:
  - Decisively defeat
  - Conflict at sea in Pacific against navy of significant size and capability
  - Conflict in close littoral against access-denial force at key economic chokepoint
  - Global campaign against terrorism and/or threats to U.S. interests and homeland

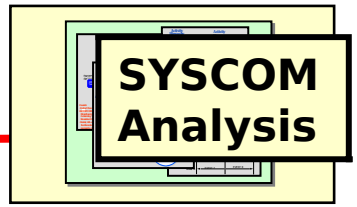
Agenda

- Overview of Organization
- Alignment
- Process
- Timeline

Naval Capability Process Functions



Force Capability Metrics

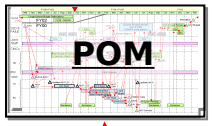


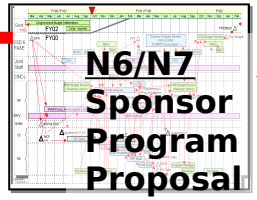
Intel Baseline

Mission Area Analysis

Mission Capability Package (MCP)

Mission Capability Package (MCP)





Manpower Readiness Infrastructure

Transformation Roadmap

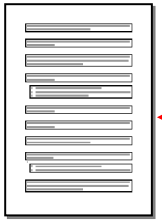
Sea Trial

Naval Capability Pillars

Sea Shield | Sea Strike | Sea Basing | FORCE-net

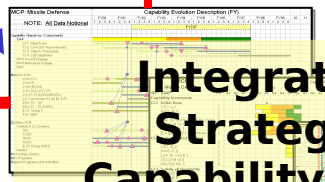
S & T Assessment

Program Guidance



Sea Enterprise

Investment Strategy



Integrated Business Plan

Force Structure & Munitions Analyses

Program Wholeness Review

Analytic Core Functions

- Establish common frame of reference for all N6/N7 warfare analysis & requirements
  - Common threat estimates, analytic tools, assumptions etc.
  - Centrally fund and manage all N6/N7 warfare studies & analyses
- Support each Warfare/Platform Sponsor with sound analysis of capability and S&T requirements
  - Develop MCP/NCP and other capability analysis outputs
- Support N6/N7 with cross-pillar warfare integration
  - Develop ISCP & Transformation Roadmap

Programming Core Functions

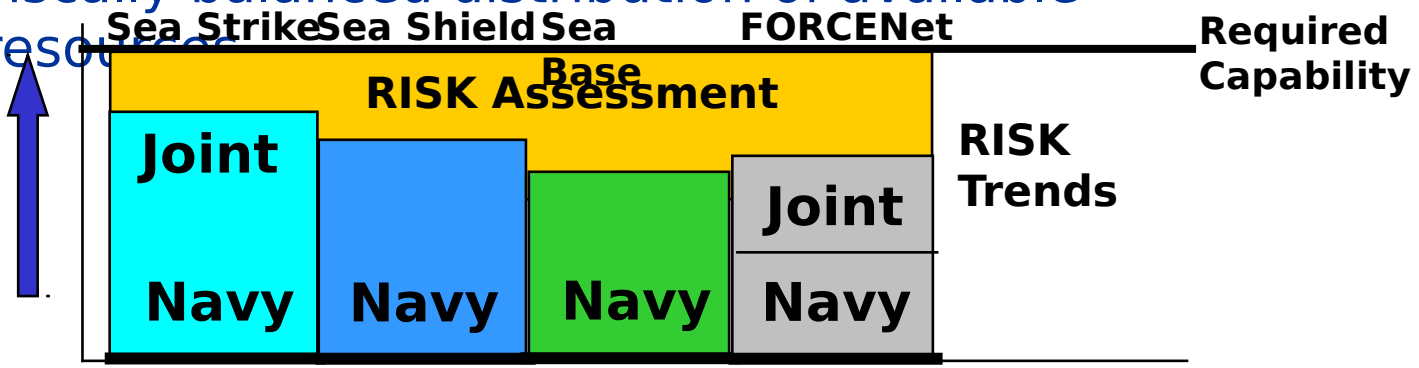
- Develop balanced N6/N7 SPP within fiscal controls
  - Translate ISCP warfighting principles into sound program actions
  - Deliver SPP brief & database
- Centrally monitor N6/N7 program throughout PPBE process
  - Respond to N8 & FMB issues
  - Provide offset & above-core lists

Integrated Strategic Capabilities Plan

- How much of each warfare capability the Navy needs to ensure that the joint force wins
  1. Capability vision
  2. Warfighting wholeness display(s)
  3. Capability/Program prioritization
  4. Technical assessments
  5. Risk assessment
  6. Issues
  7. Fiscally balanced distribution of available resources

Within each Pillar

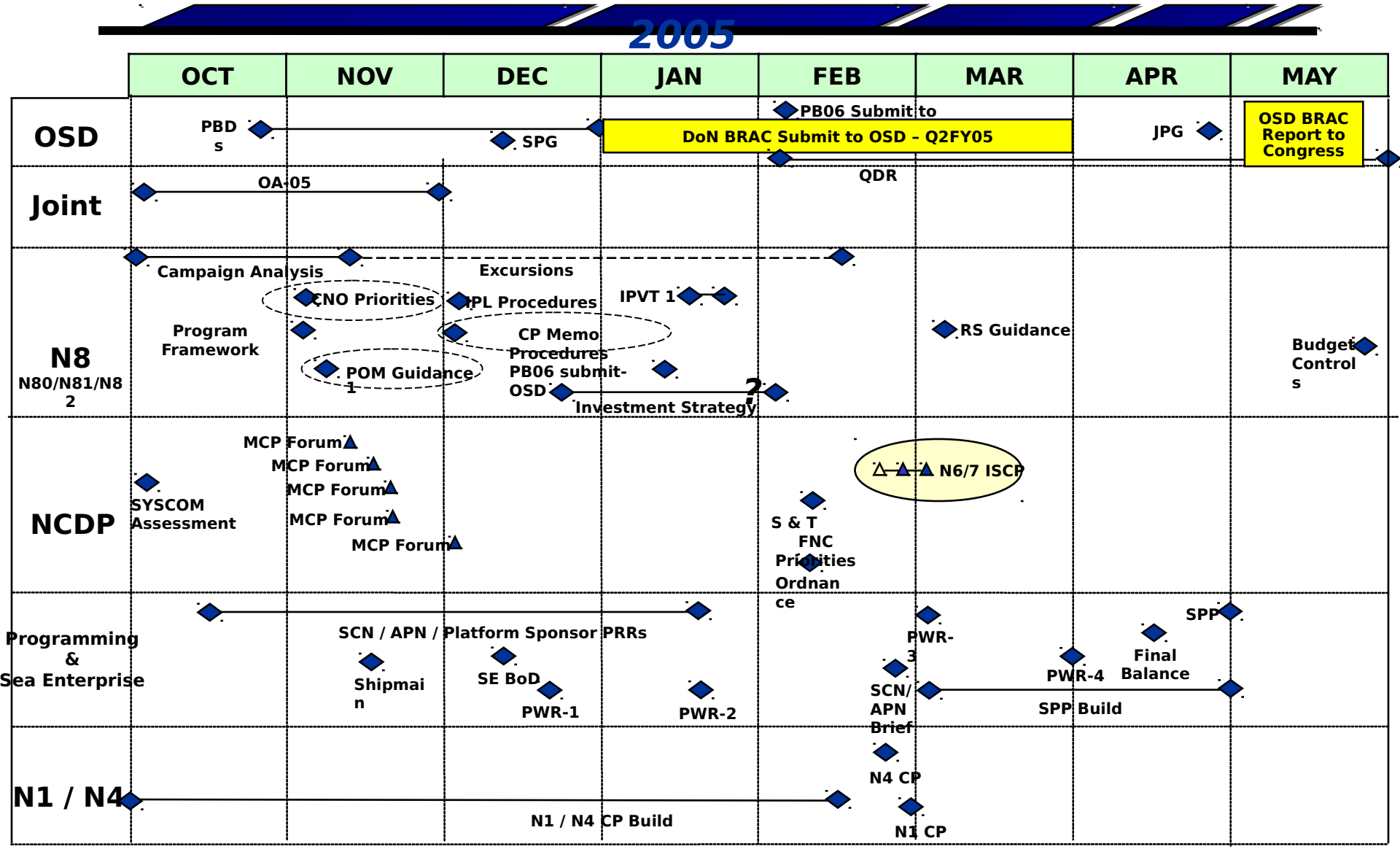
Integration across Pillar



Agenda

- Overview of Organization
- Alignment
- Process
- Timeline

PR-07 Proposed Schedule



Points of Contact

Headquarters Department of the Navy Website (HQweb)

N6/N7 Website
https://ucso2.hq.navy.mil/n7/webbas01.nsf

N70 Website
https://ucso2.hq.navy.mil/n7/webbas01.nsf

N70's NCDP Website
https://quickplace.hq.navy.mil/quickplace/bcapp/Main.nsf

CDR Jay Kadowaki, N708B, 703-695-4887